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- (71) Applicant (for all designated States except US): BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY [GB/GB]; 81 Newgate Street, London, Greater London EC1A 7AJ (GB).
- (72) Inventors; and

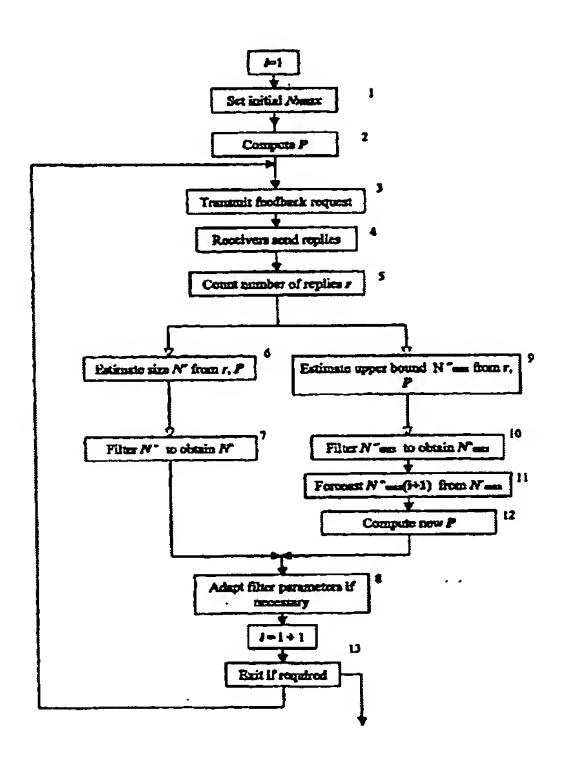
(75) Inventors/Applicants (for US only): BURBRIDGE, Trevor [GB/GB]; 4 Lonsdale Close, Ipswich, Suffolk

IP4 4BH (GB). NEKOVEE, Maziar [NL/GB]; 9 Wilkes Court, Kesgrave, Suffolk IP5 2EQ (GB). SOPPERA, Andrea [IT/GB]; 21 Almondhayes, Ipswich, Suffolk IP2 9SH (GB).

- (74) Agent: LLOYD, Barry, George, William; Bt Group Legal, Bt Group Legal, Intellectual Property Department, PP C5A, BT Centre, 81 Newgate Street, London EC1A 7AJ (GB).
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## (54) Title: METHOD FOR TRACKING THE SIZE OF A MULTICAST AUDIENCE



(57) Abstract: The method involves transmitting to receivers receiving a multicast a plurality of requests for feedback (3), each request including a probability parameter (P). Each terminal replies to this (or not) with a corresponding probability (4). One then counts the number (r) of replies to each request (5); determines, from the counts and parameters, estimates of the number of receivers (6); and filters the estimates (7). The method further includes repeatedly computing a new probability parameter to be included in a subsequent feedback request, by forecasting, from the counts and parameters, a upper bound for the number of receivers (9, 10, 11) and determining from this the new probability parameter (12) such that the risk that the number of replies exceeds a predefined threshold is kept below a predefined value.